

STATE OF CALIFORNIA  
ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT  
SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE TOXICITY  
JUNE 2, 2000

The Safe Drinking Water and Toxic Enforcement Act of 1986 requires that the Governor revise and republish at least once per year the list of chemicals known to the State to cause cancer or reproductive toxicity. The identification number indicated in the following list is the Chemical Abstracts Service (CAS) Registry Number. No CAS number is given when several substances are presented as a single listing. The date refers to the initial appearance of the chemical on the list. For easy reference, chemicals which are shown underlined are newly added. Chemicals which are shown with a strikeout are chemicals recommended for removal from the list by the "state's qualified experts."

CHEMICALS KNOWN TO THE STATE TO CAUSE CANCER

<u>Chemical</u>	<u>CAS Number</u>	<u>Date</u>
1,4-Butanediol dimethanesulfonate (Busulfan)	55981	February 27, 1987
2-Naphthylamine	91598	February 27, 1987
4-Aminobiphenyl (4-aminodiphenyl)	92671	February 27, 1987
8-Methoxypsoralen with ultraviolet A therapy	298817	February 27, 1987
Analgesic mixtures containing phenacetin	---	February 27, 1987
Arsenic (inorganic arsenic compounds)	---	February 27, 1987
Asbestos	1332214	February 27, 1987
Azathioprine	446866	February 27, 1987
Benzene	71432	February 27, 1987
Benzidine [and its salts]	92875	February 27, 1987
Bis(chloromethyl)ether	542881	February 27, 1987
Certain combined chemotherapy for lymphomas	---	February 27, 1987
Chlorambucil	305033	February 27, 1987
Chloromethyl methyl ether (technical grade)	107302	February 27, 1987
Chromium (hexavalent compounds)	---	February 27, 1987
Coke oven emissions	---	February 27, 1987
Conjugated estrogens	---	February 27, 1987
Cyclophosphamide (anhydrous)	50180	February 27, 1987
Cyclophosphamide (hydrated)	6055192	February 27, 1987
Diethylstilbestrol (DES)	56531	February 27, 1987
Melphalan	148823	February 27, 1987
Mustard Gas	505602	February 27, 1987
N,N-Bis(2-chloroethyl)-2-naphthylamine (Chlornapazine)	494031	February 27, 1987
Soots, tars, and mineral oils (untreated and mildly treated oils and used engine oils)	---	February 27, 1987
Thorium dioxide	1314201	February 27, 1987
Treosulfan	299752	February 27, 1987
Vinyl chloride	75014	February 27, 1987
1,2-Dibromo-3-chloropropane (DBCP)	96128	July 1, 1987
2-Acetylaminofluorene	53963	July 1, 1987
2-Amino-5-(5-nitro-2-furyl)-1,3,4-thiadiazole	712685	July 1, 1987
4,4'-Methylene bis(2-chloroaniline)	101144	July 1, 1987
Acrylonitrile	107131	July 1, 1987
Adriamycin (Doxorubicin hydrochloride)	23214928	July 1, 1987
AF-2;[2-(2-furyl)-3-(5-nitro-2-furyl)]acrylamide	3688537	July 1, 1987
Amitrole	61825	July 1, 1987
Aramite	140578	July 1, 1987
Auramine	492808	July 1, 1987

Azaserine	115026	July 1, 1987
Benz[a]anthracene	56553	July 1, 1987
Benzo[a]pyrene	50328	July 1, 1987
Benzo[b]fluoranthene	205992	July 1, 1987
Benzo[j]fluoranthene	205823	July 1, 1987
Benzo[k]fluoranthene	207089	July 1, 1987
Benzotrichloride	98077	July 1, 1987
Benzyl violet 4B	1694093	July 1, 1987
beta-Butyrolactone	3068880	July 1, 1987
Bischloroethyl nitrosourea (BCNU) (Carmustine)	154938	July 1, 1987
Ethylene dibromide	106934	July 1, 1987
Ethylene oxide	75218	July 1, 1987
ortho-Aminoazotoluene	97563	July 1, 1987
ortho-Anisidine	90040	July 1, 1987
ortho-Anisidine hydrochloride	134292	July 1, 1987
3,3'-Dichlorobenzidine	91941	October 1, 1987
Beryllium and beryllium compounds	---	October 1, 1987
Cadmium and cadmium compounds	---	October 1, 1987
Carbon tetrachloride	56235	October 1, 1987
Chloroform	67663	October 1, 1987
DDT (Dichlorodiphenyltrichloroethane)	50293	October 1, 1987
Epichlorohydrin	106898	October 1, 1987
Ethylene dichloride (1,2-Dichloroethane)	107062	October 1, 1987
Hexachlorobenzene	118741	October 1, 1987
Hexachlorocyclohexane (technical grade)	---	October 1, 1987
Nickel carbonyl	13463393	October 1, 1987
Nickel refinery dust from the pyrometallurgical process	---	October 1, 1987
Nickel subsulfide	12035722	October 1, 1987
N-Nitrosodiethylamine	55185	October 1, 1987
N-Nitrosodimethylamine	62759	October 1, 1987
N-Nitrosodi-n-butylamine	924163	October 1, 1987
N-Nitroso-N-ethylurea	759739	October 1, 1987
N-Nitroso-N-methylurea	684935	October 1, 1987
N-Nitrosopyrrolidine	930552	October 1, 1987
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	13010474	January 1, 1988
1,2-Diethylhydrazine	1615801	January 1, 1988
1,2-Dimethylhydrazine	540738	January 1, 1988
1,3-Propane sultone	1120714	January 1, 1988
1,4-Dioxane	123911	January 1, 1988
2-(2-Formylhydrazino)-4-(5-nitro-2-furyl)thiazole	3570750	January 1, 1988
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746016	January 1, 1988
2,4,6-Trichlorophenol	88062	January 1, 1988
2,4-Diaminoanisole sulfate	39156417	January 1, 1988
2,4-Diaminotoluene	95807	January 1, 1988
2-Methylaziridine (Propyleneimine)	75558	January 1, 1988
2-Nitropropane	79469	January 1, 1988
3,3'-Dichloro-4,4'-diaminodiphenyl ether	28434868	January 1, 1988
3,3'-Dimethoxybenzidine (ortho-Dianisidine)	119904	January 1, 1988
3,3'-Dimethylbenzidine (ortho-Tolidine)	119937	January 1, 1988
4,4'-Diaminodiphenyl ether (4,4'-Oxydianiline)	101804	January 1, 1988
4,4'-Methylenedianiline	101779	January 1, 1988
4,4'-Methylenedianiline dihydrochloride	13552448	January 1, 1988
4-Chloro-ortho-phenylenediamine	95830	January 1, 1988
4-Dimethylaminoazobenzene	60117	January 1, 1988
7H-Dibenzo[c,g]carbazole	194592	January 1, 1988
Aflatoxins	---	January 1, 1988

beta-Propiolactone	57578	January 1, 1988
Chlordecone (Kepone)	143500	January 1, 1988
Cupferron	135206	January 1, 1988
Cycasin	14901087	January 1, 1988
Dacarbazine	4342034	January 1, 1988
Daunomycin	20830813	January 1, 1988
Di(2-ethylhexyl)phthalate	117817	January 1, 1988
Dibenz[a,h]acridine	226368	January 1, 1988
Dibenz[a,h]anthracene	53703	January 1, 1988
Dibenz[a,j]acridine	224420	January 1, 1988
Dibenzo[a,e]pyrene	192654	January 1, 1988
Dibenzo[a,h]pyrene	189640	January 1, 1988
Dibenzo[a,i]pyrene	189559	January 1, 1988
Dibenzo[a,l]pyrene	191300	January 1, 1988
Diepoxybutane	1464535	January 1, 1988
Diethyl sulfate	64675	January 1, 1988
Dihydrosafrole	94586	January 1, 1988
Dimethyl sulfate	77781	January 1, 1988
Dimethylcarbamoyl chloride	79447	January 1, 1988
Diphenylhydantoin (Phenytoin)	57410	January 1, 1988
Diphenylhydantoin (Phenytoin), sodium salt	630933	January 1, 1988
Direct Black 38 (technical grade)	1937377	January 1, 1988
Direct Blue 6 (technical grade)	2602462	January 1, 1988
Estradiol 17B	50282	January 1, 1988
Estrone	53167	January 1, 1988
Ethinylestradiol	57636	January 1, 1988
Ethyl methanesulfonate	62500	January 1, 1988
Ethylene thiourea	96457	January 1, 1988
Ethyleneimine	151564	January 1, 1988
Formaldehyde (gas)	50000	January 1, 1988
Glycidaldehyde	765344	January 1, 1988
Gyromitrin (Acetaldehyde methylformylhydrazone)	16568028	January 1, 1988
Hexamethylphosphoramide	680319	January 1, 1988
Hydrazine	302012	January 1, 1988
Hydrazine sulfate	10034932	January 1, 1988
Hydrazobenzene (1,2-Diphenylhydrazine)	122667	January 1, 1988
Indeno [1,2,3-cd]pyrene	193395	January 1, 1988
Iron dextran complex	9004664	January 1, 1988
Lead acetate	301042	January 1, 1988
Metronidazole	443481	January 1, 1988
Michler's ketone	90948	January 1, 1988
Mirex	2385855	January 1, 1988
Nitrilotriacetic acid	139139	January 1, 1988
Nitrofen (technical grade)	1836755	January 1, 1988
Nitrogen mustard (Mechlorethamine)	51752	January 1, 1988
N-Nitrosodiethanolamine	1116547	January 1, 1988
N-Nitrosodi-n-propylamine	621647	January 1, 1988
N-Nitrosomethylvinylamine	4549400	January 1, 1988
N-Nitrosomorpholine	59892	January 1, 1988
N-Nitrosornicotine	16543558	January 1, 1988
N-Nitrosopiperidine	100754	January 1, 1988
N-Nitrososarcosine	13256229	January 1, 1988
ortho-Toluidine	95534	January 1, 1988
ortho-Toluidine hydrochloride	636215	January 1, 1988
Oxymetholone	434071	January 1, 1988
Panfuran S	794934	January 1, 1988

para-Cresidine	120718	January 1, 1988
Phenazopyridine	94780	January 1, 1988
Phenazopyridine hydrochloride	136403	January 1, 1988
p-Nitrosodiphenylamine	156105	January 1, 1988
Polybrominated biphenyls	---	January 1, 1988
Polychlorinated biphenyls (containing 60 or more percent chlorine by molecular weight)	---	January 1, 1988
Polygeenan	53973981	January 1, 1988
Procarbazine	671169	January 1, 1988
Procarbazine hydrochloride	366701	January 1, 1988
Progesterone	57830	January 1, 1988
Propylthiouracil	51525	January 1, 1988
Saccharin, sodium	128449	January 1, 1988
Safrole	94597	January 1, 1988
Streptozotocin (streptozocin)	18883664	January 1, 1988
Sulfallate	95067	January 1, 1988
Thioacetamide	62555	January 1, 1988
Thiourea	62566	January 1, 1988
Toxaphene (Polychlorinated camphenes)	8001352	January 1, 1988
trans-2-[(Dimethylamino)methylimino]-5-[2-(5-nitro-2-furyl)vinyl]-1,3,4-oxadiazole	55738540	January 1, 1988
Tris(1-aziridinyl)phosphine sulfide (Thiotepa)	52244	January 1, 1988
Tris(2,3-dibromopropyl)phosphate	126727	January 1, 1988
Urethane (Ethyl carbamate)	51796	January 1, 1988
1,3-Butadiene	106990	April 1, 1988
1-[(5-Nitrofurfurylidene)-amino]-2-imidazolidinone	555840	April 1, 1988
2-Methyl-1-nitroanthraquinone (of uncertain purity)	129157	April 1, 1988
4,4'-Methylene bis(2-methylaniline)	838880	April 1, 1988
4,4'-Thiodianiline	139651	April 1, 1988
4-Nitrobiphenyl	92933	April 1, 1988
5-(Morpholinomethyl)-3-[(5-nitro-furfurylidene)-amino]-2-oxazolidinone	139913	April 1, 1988
5-Methylchrysene	3697243	April 1, 1988
5-Nitroacenaphthene	602879	April 1, 1988
Acetaldehyde	75070	April 1, 1988
Bis(2-chloroethyl)ether	111444	April 1, 1988
Dichloromethane (Methylene chloride)	75092	April 1, 1988
Hexachlorodibenzodioxin	34465468	April 1, 1988
Lasiocarpine	303344	April 1, 1988
Lead phosphate	7446277	April 1, 1988
Merphalan	531760	April 1, 1988
Mestranol	72333	April 1, 1988
Methyl iodide	74884	April 1, 1988
Methyl methanesulfonate	66273	April 1, 1988
Methylazoxymethanol	590965	April 1, 1988
Methylazoxymethanol acetate	592621	April 1, 1988
Mitomycin C	50077	April 1, 1988
Monocrotaline	315220	April 1, 1988
N-[4-(5-Nitro-2-furyl)-2-thiazolyl]acetamide	531828	April 1, 1988
Nafenopin	3771195	April 1, 1988
Niridazole	61574	April 1, 1988
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	55867	April 1, 1988
Nitrogen mustard N-oxide	126852	April 1, 1988
Nitrogen mustard N-oxide hydrochloride	302705	April 1, 1988
N-Methyl-N'-nitro-N-nitrosoguanidine	70257	April 1, 1988
N-Nitrosodiphenylamine	86306	April 1, 1988
N-Nitroso-N-methylurethane	615532	April 1, 1988

Oil Orange SS	2646175	April 1, 1988
Phenoxybenzamine	59961	April 1, 1988
Phenoxybenzamine hydrochloride	63923	April 1, 1988
Ponceau 3R	3564098	April 1, 1988
Ponceau MX	3761533	April 1, 1988
Sterigmatocystin	10048132	April 1, 1988
Testosterone and its esters	58220	April 1, 1988
Tetrachloroethylene (Perchloroethylene)	127184	April 1, 1988
Tobacco smoke	---	April 1, 1988
Tobacco, oral use of smokeless products	---	April 1, 1988
Trichloroethylene	79016	April 1, 1988
Trp-P-1 (Tryptophan-P-1)	62450060	April 1, 1988
Trp-P-2 (Tryptophan-P-2)	62450071	April 1, 1988
Unleaded gasoline (wholly vaporized)	---	April 1, 1988
Uracil mustard	66751	April 1, 1988
2,4-Dinitrotoluene	121142	July 1, 1988
Alcoholic beverages, when associated with alcohol abuse	---	July 1, 1988
Aldrin	309002	July 1, 1988
Chlordane	57749	July 1, 1988
Dieldrin	60571	July 1, 1988
Heptachlor	76448	July 1, 1988
Heptachlor epoxide	1024573	July 1, 1988
1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1- nitrosoarea (Methyl-CCNU)	13909096	October 1, 1988
5-Methoxypsoralen with ultraviolet A therapy	484208	October 1, 1988
Captadol	2425061	October 1, 1988
Cisplatin	15663271	October 1, 1988
Creosotes	---	October 1, 1988
Direct Brown 95 (technical grade)	16071866	October 1, 1988
Erionite	12510428	October 1, 1988
Propylene oxide	75569	October 1, 1988
Silica, crystalline (airborne particles of respirable size)	---	October 1, 1988
Styrene oxide	96093	October 1, 1988
Vinyl bromide	593602	October 1, 1988
1,3-Dichloropropene	542756	January 1, 1989
Acetochlor	34256821	January 1, 1989
Alachlor	15972608	January 1, 1989
Chlordimeform	6164983	January 1, 1989
Chlorothalonil	1897456	January 1, 1989
DDD (Dichlorodiphenyldichloroethane)	72548	January 1, 1989
DDE (Dichlorodiphenyldichloroethylene)	72559	January 1, 1989
DDVP (Dichlorvos)	62737	January 1, 1989
Folpet	133073	January 1, 1989
Lactofen	77501634	January 1, 1989
p-Dichlorobenzene	106467	January 1, 1989
Nitrilotriacetic acid, trisodium salt monohydrate	18662538	April 1, 1989
3-Amino-9-ethylcarbazole hydrochloride	6109973	July 1, 1989
3-Chloro-2-methylpropene	563473	July 1, 1989
C.I. Basic Red 9 monohydrochloride	569619	July 1, 1989
Chlorendic acid	115286	July 1, 1989
Chlorinated paraffins (Average chain length, C12; approximately 60 percent chlorine by weight)	108171262	July 1, 1989
Cinnamyl anthranilate	87296	July 1, 1989
Diglycidyl resorcinol ether (DGRE)	101906	July 1, 1989
Dimethylvinylchloride	513371	July 1, 1989
Ethyl acrylate	140885	July 1, 1989
HC Blue 1	2784943	July 1, 1989

Phenesterin	3546109	July 1, 1989
Radionuclides	---	July 1, 1989
1,1-Dimethylhydrazine (UDMH)	57147	October 1, 1989
1-Amino-2-methylantraquinone	82280	October 1, 1989
1-Naphthylamine	134327	October 1, 1989
2-Aminoanthraquinone	117793	October 1, 1989
4,4'-Methylene bis(N,N-dimethyl)benzenamine	101611	October 1, 1989
5-Nitro-o-anisidine	99592	October 1, 1989
Actinomycin D	50760	October 1, 1989
Chloramphenicol	56757	October 1, 1989
Citrus Red No. 2	6358538	October 1, 1989
Isosafrole	120581	October 1, 1989
Lead subacetate	1335326	October 1, 1989
Lindane and other hexachlorocyclohexane isomers	---	October 1, 1989
Methylthiouracil	56042	October 1, 1989
N,N'-Diacetylbenzidine	613354	October 1, 1989
Nickel and certain nickel compounds	---	October 1, 1989
N-Nitrosomethylethylamine	10595956	October 1, 1989
Norethisterone (Norethindrone)	68224	October 1, 1989
Oral contraceptives, combined	---	October 1, 1989
Oral contraceptives, sequential	---	October 1, 1989
Phenacetin	62442	October 1, 1989
Polychlorinated biphenyls	---	October 1, 1989
Reserpine	50555	October 1, 1989
Saccharin	81072	October 1, 1989
Selenium sulfide	7446346	October 1, 1989
Toluene diisocyanate	26471625	October 1, 1989
Tris(aziridiny)-para-benzoquinone (Triaziquone)	68768	October 1, 1989
Trypan blue (commercial grade)	72571	October 1, 1989
1,1-Dichloroethane	75343	January 1, 1990
1,2-Dichloropropane	78875	January 1, 1990
1,4-Dichloro-2-butene	764410	January 1, 1990
3-Methylcholanthrene	56495	January 1, 1990
7,12-Dimethylbenz(a)anthracene	57976	January 1, 1990
A-alpha-C (2-Amino-9H-pyrido[2,3-b]indole)	26148685	January 1, 1990
Acetamide	60355	January 1, 1990
Acifluorfen	62476599	January 1, 1990
Acrylamide	79061	January 1, 1990
<del>Allyl chloride</del> <a href="#">Delisted October 29, 1999</a>	<del>107051</del>	<del>January 1, 1990</del>
Aniline	62533	January 1, 1990
Azobenzene	103333	January 1, 1990
Benzyl chloride	100447	January 1, 1990
Betel quid with tobacco	---	January 1, 1990
Bitumens, extracts of steam-refined and air refined	---	January 1, 1990
Bracken fern	---	January 1, 1990
Bromodichloromethane	75274	January 1, 1990
Butylated hydroxyanisole	25013165	January 1, 1990
Captan	133062	January 1, 1990
Carbon-black extracts	---	January 1, 1990
<del>Chlorodibromomethane</del> <a href="#">Delisted October 29, 1999</a>	<del>124481</del>	<del>January 1, 1990</del>
Chrysene	218019	January 1, 1990
Daminozide	1596845	January 1, 1990
Diaminotoluene (mixed)	---	January 1, 1990
Dienestrol	84173	January 1, 1990
Ethyl-4,4'-dichlorobenzilate	510156	January 1, 1990
Furazolidone	67458	January 1, 1990

Furmecyclox	60568050	January 1, 1990
Glu-P-1 (2-Amino-6-methyldipyrido[1,2- a:3',2'-d]imidazole)	67730114	January 1, 1990
Glu-P-2 (2-Aminodipyrido[1,2-a:3',2'-d]imidazole)	67730103	January 1, 1990
Griseofulvin	126078	January 1, 1990
Mancozeb	8018017	January 1, 1990
Maneb	12427382	January 1, 1990
Me-A-alpha-C (2-Amino-3-methyl-9H-pyrido[2,3-b]indole)	68006837	January 1, 1990
Medroxyprogesterone acetate	71589	January 1, 1990
Metiram	9006422	January 1, 1990
Nitrofurazone	59870	January 1, 1990
o-Phenylphenate, sodium	132274	January 1, 1990
p-a,a,a-Tetrachlorotoluene	5216251	January 1, 1990
p-Aminoazobenzene	60093	January 1, 1990
<a href="#">para-Toluidine Delisted October 29, 1999</a>	<a href="#">106490</a>	<a href="#">January 1, 1990</a>
p-Chloro-o-toluidine	95692	January 1, 1990
Pentachlorophenol	87865	January 1, 1990
Phenobarbital	50066	January 1, 1990
Potassium bromate	7758012	January 1, 1990
<a href="#">Zineb Delisted October 29, 1999</a>	<a href="#">12122677</a>	<a href="#">January 1, 1990</a>
3-(N-Nitrosomethylamino)propionitrile	60153493	April 1, 1990
4-(N-Nitrosomethylamino)-1-(3-pyridyl)1-butanone	64091914	April 1, 1990
IQ (2-Amino-3-methylimidazo[4,5-f]quinoline)	76180966	April 1, 1990
Shale-oils	68308349	April 1, 1990
Talc containing asbestiform fibers	---	April 1, 1990
1,1,2,2-Tetrachloroethane	79345	July 1, 1990
4-Vinyl-1-cyclohexene diepoxide (Vinyl cyclohexenedioxide)	106876	July 1, 1990
Ceramic fibers (airborne particles of respirable size)	---	July 1, 1990
Chloroethane (Ethyl chloride)	75003	July 1, 1990
D&C Orange No. 17	3468631	July 1, 1990
D&C Red No. 19	81889	July 1, 1990
D&C Red No. 9	5160021	July 1, 1990
Glasswool fibers (airborne particles of respirable size)	---	July 1, 1990
Glycidol	556525	July 1, 1990
Hexachloroethane	67721	July 1, 1990
N-Methylolacrylamide	924425	July 1, 1990
Ochratoxin A	303479	July 1, 1990
Tetranitromethane	509148	July 1, 1990
1,6-Dinitropyrene	42397648	October 1, 1990
1,8-Dinitropyrene	42397659	October 1, 1990
1-Nitropyrene	5522430	October 1, 1990
2,4-Diaminoanisole	615054	October 1, 1990
2-Nitrofluorene	607578	October 1, 1990
3,3'-Dimethoxybenzidine dihydrochloride (ortho-Dianisidine dihydrochloride)	20325400	October 1, 1990
4-Nitropyrene	57835924	October 1, 1990
6-Nitrochrysene	7496028	October 1, 1990
Antimony oxide (Antimony trioxide)	1309644	October 1, 1990
Benzofuran	271896	October 1, 1990
D&C Red No. 8	2092560	October 1, 1990
Diesel engine exhaust	---	October 1, 1990
Disperse Blue 1	2475458	October 1, 1990
Gasoline engine exhaust (condensates/extracts)	---	October 1, 1990
Phenyl glycidyl ether	122601	October 1, 1990
Residual (heavy) fuel oils	---	October 1, 1990
Vinyl trichloride (1,1,2-Trichloroethane)	79005	October 1, 1990
2,6- Xylidine (2,6-Dimethylaniline)	87627	January 1, 1991
Bromoform	75252	April 1, 1991

Oxadiazon	19666309	July 1, 1991
Azacitidine	320672	January 1, 1992
Chlorozotocin	54749905	January 1, 1992
Ciclosporin (Cyclosporin A; Cyclosporine)	59865133	January 1, 1992
	79217600	
Dantron (Chrysazin; 1,8-Dihydroxyanthraquinone)	117102	January 1, 1992
Trichlormethine (Trimustine hydrochloride)	817094	January 1, 1992
3,3'-Dimethylbenzidine dihydrochloride	612828	April 1, 1992
Tris(2-chloroethyl) phosphate	115968	April 1, 1992
C.I. Acid Red 114	6459945	July 1, 1992
Cobalt [II] oxide	1307966	July 1, 1992
Cobalt metal powder	7440484	July 1, 1992
Methylhydrazine and its salts	---	July 1, 1992
Phenylhydrazine and its salts	---	July 1, 1992
Triphenyltin hydroxide	76879	July 1, 1992
1,2,3-Trichloropropane	96184	October 1, 1992
Benzidine-based dyes	---	October 1, 1992
Lead and lead compounds	---	October 1, 1992
o-Nitroanisole	91236	October 1, 1992
Polychlorinated dibenzofurans	---	October 1, 1992
Polychlorinated dibenzo-p-dioxins	---	October 1, 1992
Diisopropyl sulfate	2973106	April 1, 1993
Furan	110009	October 1, 1993
2,3-Dibromo-1-propanol	96139	October 1, 1994
Caffeic acid	331395	October 1, 1994
MeIQ(2-Amino-3,4-dimethylimidazo[4,5-f]quinoline)	77094112	October 1, 1994
MeIQx(2-Amino-3,8-dimethylimidazo[4,5-f]quinoxaline)	77500040	October 1, 1994
Oxazepam	604751	October 1, 1994
p-Chloroaniline	106478	October 1, 1994
PhiP(2-Amino-1-methyl-6-phenylimidazol[4,5-b]pyridine)	105650235	October 1, 1994
Procymidone	32809168	October 1, 1994
Propargite	2312358	October 1, 1994
Terrazole	2593159	October 1, 1994
2,6-Dinitrotoluene	606202	July 1, 1995
Fusarin C	79748815	July 1, 1995
2,2-Bis(bromomethyl)-1,3-propanediol	3296900	May 1, 1996
4-Vinylcyclohexene	100403	May 1, 1996
Cacodylic acid	75605	May 1, 1996
Carbazole	86748	May 1, 1996
Dichloroacetic acid	79436	May 1, 1996
Dinitrotoluene mixture, 2,4-/2,6-	---	May 1, 1996
Di-n-propyl isocinchomeronate (MGK Repellent 326)	136458	May 1, 1996
Iprodione	36734197	May 1, 1996
Isobutyl nitrite	542563	May 1, 1996
Isoprene	78795	May 1, 1996
Methylmercury compounds	---	May 1, 1996
Pronamide	23950585	May 1, 1996
Trimethyl phosphate	512561	May 1, 1996
Chlorotrianisene	569573	September 1, 1996
Clofibrate	637070	September 1, 1996
Tamoxifen and its salts	10540291	September 1, 1996
Nitromethane	75525	May 1, 1997
Spirolactone	52017	May 1, 1997
Stanozolol	10418038	May 1, 1997
Tetrafluoroethylene	116143	May 1, 1997
Vinyl fluoride	75025	May 1, 1997



1-Amino-2,4-dibromoanthraquinone	81492	August 26, 1997
3,7-Dinitrofluoranthene	105735715	August 26, 1997
3,9-Dinitrofluoranthene	22506532	August 26, 1997
C.I. Direct Blue 15	2429745	August 26, 1997
C.I. Direct Blue 218	28407376	August 26, 1997
Estropipate	7280377	August 26, 1997
Ganciclovir sodium	82410320	August 26, 1997
Nitrobenzene	98953	August 26, 1997
2,4,5-Trimethylaniline and its strong acid salts	---	October 24, 1997
5-Chloro-o-toluidine and its strong acid salts	---	October 24, 1997
Quinoline and its strong acid salts	---	October 24, 1997
3,3'-Dichlorobenzidine dihydrochloride	612839	May 15, 1998
Aniline hydrochloride	142041	May 15, 1998
C.I. Solvent Yellow 14	842079	May 15, 1998
Cytembena	21739913	May 15, 1998
Methyl carbamate	598550	May 15, 1998
Nalidixic acid	389082	May 15, 1998
o-Nitrotoluene	88722	May 15, 1998
o-Phenylenediamine and its salts	95545	May 15, 1998
p-Chloroaniline hydrochloride	20265967	May 15, 1998
p-Chloro-o-toluidine, strong acid salts of	---	May 15, 1998
Phenolphthalein	77098	May 15, 1998
Salicylazosulfapyridine	599791	May 15, 1998
Metham sodium	137428	November 6, 1998
2-Aminofluorene	153786	January 29, 1999
4-Amino-2-nitrophenol	119346	January 29, 1999
Cidofovir	113852372	January 29, 1999
Oxythioquinox	2439012	August 20, 1999
Primidone	125337	August 20, 1999
Thiodicarb	59669260	August 20, 1999
Vinclozolin	50471448	August 20, 1999
1-Chloro-4-nitrobenzene	100005	October 29, 1999
Bis(2-chloro-1-methylethyl)ether, technical grade	---	October 29, 1999
Estragole	140670	October 29, 1999
Palygorskite fibers (> 5µm in length)	12174117	December 28, 1999
<a href="#">Chloroprene</a>	<a href="#">126998</a>	<a href="#">June 2, 2000</a>
<a href="#">Cobalt sulfate heptahydrate</a>	<a href="#">10026241</a>	<a href="#">June 2, 2000</a>
<a href="#">Fenoxycarb</a>	<a href="#">72490018</a>	<a href="#">June 2, 2000</a>

## CHEMICALS KNOWN TO THE STATE TO CAUSE REPRODUCTIVE TOXICITY

### Developmental toxicity

Lead	---	February 27, 1987
Aminopterin	54626	July 1, 1987
Chlorcyclizine hydrochloride	1620219	July 1, 1987
Diethylstilbestrol (DES)	56531	July 1, 1987
Diphenylhydantoin (Phenytoin)	57410	July 1, 1987
Etretinate	54350480	July 1, 1987
Isotretinoin	4759482	July 1, 1987
Methyl mercury	---	July 1, 1987
Thalidomide	50351	July 1, 1987
Valproate (Valproic acid)	99661	July 1, 1987
Warfarin	81812	July 1, 1987
Ethyl alcohol in alcoholic beverages	---	October 1, 1987
Tobacco smoke (primary)	---	April 1, 1988

1,4-Butanediol dimethanesulfonate (Busulfan)	55981	January 1, 1989
All-trans retinoic acid	302794	January 1, 1989
Chlorambucil	305033	January 1, 1989
Chlordecone (Kepone)	143500	January 1, 1989
Cycloheximide	66819	January 1, 1989
Cyclophosphamide (anhydrous)	50180	January 1, 1989
Cyclophosphamide (hydrated)	6055192	January 1, 1989
Cyhexatin	13121705	January 1, 1989
Cytarabine	147944	January 1, 1989
Dinoseb	88857	January 1, 1989
Ethylene glycol monoethyl ether	110805	January 1, 1989
Ethylene glycol monomethyl ether	109864	January 1, 1989
Fluorouracil	51218	January 1, 1989
Hexachlorobenzene	118741	January 1, 1989
Iodine-131	10043660	January 1, 1989
Methotrexate	59052	January 1, 1989
Nitrogen mustard (Mechlorethamine)	51752	January 1, 1989
Carbon disulfide	75150	July 1, 1989
Carbon monoxide	630080	July 1, 1989
Cocaine	50362	July 1, 1989
Retinol/retinyl esters, when in daily dosages in excess of 10,000 IU, or 3,000 retinol equivalents. (NOTE: Retinol/retinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.)	---	July 1, 1989
Acetohydroxamic acid	546883	April 1, 1990
Benzphetamine hydrochloride	5411223	April 1, 1990
Chenodiol	474259	April 1, 1990
Clomiphene citrate	50419	April 1, 1990
Conjugated estrogens	---	April 1, 1990
Cyanazine	21725462	April 1, 1990
Danazol	17230885	April 1, 1990
Dinocap	39300453	April 1, 1990
Ergotamine tartrate	379793	April 1, 1990
Fluoxymesterone	76437	April 1, 1990
Medroxyprogesterone acetate	71589	April 1, 1990
Menotropins	9002680	April 1, 1990
Methotrexate sodium	15475566	April 1, 1990
Methyltestosterone	58184	April 1, 1990
Misoprostol	59122462	April 1, 1990
Nafarelin acetate	86220420	April 1, 1990
Nicotine	54115	April 1, 1990
Norethisterone (Norethindrone)	68224	April 1, 1990
Norethisterone (Norethindrone)/Ethinyl estradiol	68224/57636	April 1, 1990
Norethisterone (Norethindrone)/Mestranol	68224/72333	April 1, 1990
Norgestrel	6533002	April 1, 1990
Plicamycin	18378897	April 1, 1990
Ribavirin	36791045	April 1, 1990
Temazepam	846504	April 1, 1990
Testosterone enanthate	315377	April 1, 1990
Triazolam	28911015	April 1, 1990
Trilostane	13647353	April 1, 1990
Urofollitropin	26995915	April 1, 1990
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU) (Lomustine)	13010474	July 1, 1990
Alprazolam	28981977	July 1, 1990
Amikacin sulfate	39831555	July 1, 1990
Aminoglutethimide	125848	July 1, 1990

Aspirin (NOTE: It is especially important not to use aspirin during the last three months of pregnancy, unless specifically directed to do so by a physician because it may cause problems in the unborn child or complications during delivery.)	50782	July 1, 1990
Bischloroethyl nitrosourea (BCNU) (Carmustine)	154938	July 1, 1990
Carboplatin	41575944	July 1, 1990
Daunorubicin hydrochloride	23541506	July 1, 1990
Doxycycline (internal use)	564250	July 1, 1990
Etoposide	33419420	July 1, 1990
Flutamide	13311847	July 1, 1990
Halazepam	23092173	July 1, 1990
Ifosfamide	3778732	July 1, 1990
Lorazepam	846491	July 1, 1990
Melphalan	148823	July 1, 1990
Mercaptopurine	6112761	July 1, 1990
Mercury and mercury compounds	---	July 1, 1990
Methimazole	60560	July 1, 1990
Midazolam hydrochloride	59467968	July 1, 1990
Mitoxantrone hydrochloride	70476823	July 1, 1990
Netilmicin sulfate	56391572	July 1, 1990
Nitrogen mustard hydrochloride (Mechlorethamine hydrochloride)	55867	July 1, 1990
Paramethadione	115673	July 1, 1990
Pentobarbital sodium	57330	July 1, 1990
Phenacemide	63989	July 1, 1990
Pipobroman	54911	July 1, 1990
Procarbazine hydrochloride	366701	July 1, 1990
Propylthiouracil	51525	July 1, 1990
Tamoxifen citrate	54965241	July 1, 1990
Thioguanine	154427	July 1, 1990
Tobramycin sulfate	49842071	July 1, 1990
Vinblastine sulfate	143679	July 1, 1990
Vincristine sulfate	2068782	July 1, 1990
Bromoxynil	1689845	October 1, 1990
Lithium carbonate	554132	January 1, 1991
Lithium citrate	919164	January 1, 1991
Megestrol acetate	595335	January 1, 1991
Methacycline hydrochloride	3963959	January 1, 1991
Oxytetracycline (internal use)	79572	January 1, 1991
Penicillamine	52675	January 1, 1991
Polychlorinated biphenyls	---	January 1, 1991
Streptomycin sulfate	3810740	January 1, 1991
Tetracycline hydrochloride (internal use)	64755	January 1, 1991
Toluene	108883	January 1, 1991
Trimethadione	127480	January 1, 1991
2,3,7,8-Tetrachlorodibenzo-para-dioxin (TCDD)	1746016	April 1, 1991
Benomyl	17804352	July 1, 1991
Doxycycline hyclate (internal use)	24390145	October 1, 1991
Doxycycline monohydrate (internal use)	17086281	October 1, 1991
Norethisterone acetate (Norethindrone acetate)	51989	October 1, 1991
Oxytetracycline hydrochloride (internal use)	2058460	October 1, 1991
Testosterone cypionate	58208	October 1, 1991
Tetracycline (internal use)	60548	October 1, 1991
Chlordiazepoxide	58253	January 1, 1992
Chlordiazepoxide hydrochloride	438415	January 1, 1992
Demeclocycline hydrochloride (internal use)	64733	January 1, 1992
Diazepam	439145	January 1, 1992

Doxycycline calcium (internal use)	94088854	January 1, 1992
Meprobamate	57534	January 1, 1992
Minocycline hydrochloride (internal use)	13614987	January 1, 1992
Uracil mustard	66751	January 1, 1992
Actinomycin D	50760	October 1, 1992
Aminoglycosides	---	October 1, 1992
Angiotensin converting enzyme (ACE) inhibitors	---	October 1, 1992
Anisindione	117373	October 1, 1992
Barbiturates	---	October 1, 1992
Benzodiazepines	---	October 1, 1992
Butabarbital sodium	143817	October 1, 1992
Clorazepate dipotassium	57109907	October 1, 1992
Colchicine	64868	October 1, 1992
Dicumarol	66762	October 1, 1992
Flurazepam hydrochloride	1172185	October 1, 1992
Lovastatin	75330755	October 1, 1992
Neomycin sulfate (internal use)	1405103	October 1, 1992
Oxazepam	604751	October 1, 1992
Phenprocoumon	435972	October 1, 1992
Secobarbital sodium	309433	October 1, 1992
Tetracyclines (internal use)	---	October 1, 1992
Ethylene glycol monoethyl ether acetate	111159	January 1, 1993
Ethylene glycol monomethyl ether acetate	110496	January 1, 1993
Ethylene thiourea	96457	January 1, 1993
Methyl bromide as a structural fumigant	74839	January 1, 1993
Polybrominated biphenyls	---	October 1, 1994
Urethane	51796	October 1, 1994
Azathioprine	446866	September 1, 1996
Cladribine	4291638	September 1, 1996
Halothane	151677	September 1, 1996
Nickel carbonyl	13463393	September 1, 1996
Pentostatin	53910251	September 1, 1996
Teniposide	29767202	September 1, 1996
Arsenic (inorganic oxides)	---	May 1, 1997
Cadmium	---	May 1, 1997
Clarithromycin	81103119	May 1, 1997
Dihydroergotamine mesylate	6190392	May 1, 1997
Hydroxyurea	127071	May 1, 1997
Oxymetholone	434071	May 1, 1997
Amiodarone hydrochloride	19774824	August 26, 1997
Atenolol	29122687	August 26, 1997
Estropipate	7280377	August 26, 1997
Ethionamide	536334	August 26, 1997
Ganciclovir sodium	82410320	August 26, 1997
Goserelin acetate	65807025	August 26, 1997
Leuprolide acetate	74381536	August 26, 1997
Paclitaxel	33069624	August 26, 1997
Quazepam	36735225	August 26, 1997
Trimetrexate glucuronate	82952645	August 26, 1997
Benzene	71432	December 26, 1997
Amoxapine	14028445	May 15, 1998
Beclomethasone dipropionate	5534098	May 15, 1998
Clobetasol propionate	25122467	May 15, 1998
Codeine phosphate	52288	May 15, 1998
Endrin	72208	May 15, 1998
Ethylene dibromide	106934	May 15, 1998

Flunisolide	3385033	May 15, 1998
Fluticasone propionate	80474142	May 15, 1998
Histrelin acetate	---	May 15, 1998
Metham sodium	137428	May 15, 1998
o,p' -DDT	789026	May 15, 1998
Oxadiazon	19666309	May 15, 1998
p,p' -DDT	50293	May 15, 1998
Vinclozolin	50471448	May 15, 1998
Chinomethionat (Oxythioquinox)	2439012	November 6, 1998
Fluazifop butyl	69806504	November 6, 1998
Fluvalinate	69409945	November 6, 1998
Resmethrin	10453868	November 6, 1998
Auranofin	34031328	January 29, 1999
Carbamazepine	298464	January 29, 1999
Cidofovir	113852372	January 29, 1999
Dacarbazine	4342034	January 29, 1999
Diflunisal	22494424	January 29, 1999
Doxorubicin hydrochloride	23214928	January 29, 1999
Haloperidol	52868	January 29, 1999
Levodopa	59927	January 29, 1999
Nifedipine	21829254	January 29, 1999
Pyrimethamine	58140	January 29, 1999
Sulindac	38194502	January 29, 1999
Diclofop methyl	51338273	March 5, 1999
Hydramethylnon	67485294	March 5, 1999
Cycloate	1134232	March 19, 1999
Linuron	330552	March 19, 1999
Fenoxaprop ethyl	66441234	March 26, 1999
Amitraz	33089611	March 30, 1999
Disodium cyanodithiomidocarbonate	138932	March 30, 1999
Metiram	9006422	March 30, 1999
Nabam	142596	March 30, 1999
Nitrapyrin	1929824	March 30, 1999
Potassium dimethyldithiocarbamate	128030	March 30, 1999
Sodium dimethyldithiocarbamate	128041	March 30, 1999
Triadimefon	43121433	March 30, 1999
Myclobutanil	88671890	April 16, 1999
2,4-DP (dichloroprop)	120365	April 27, 1999
Dichlorophene	97234	April 27, 1999
Ethyl dipropylthiocarbamate	759944	April 27, 1999
Chlorsulfuron	64902723	May 14, 1999
Bromacil lithium salt	53404196	May 18, 1999
Bromoxynil octanoate	1689992	May 18, 1999
Terbacil	5902512	May 18, 1999
Propargite	2312358	June 15, 1999
2,4-D butyric acid	94826	June 18, 1999
Triforine	26644462	June 18, 1999
	37273840	
Acetazolamide	59665	August 20, 1999
Altretamine	645056	August 20, 1999
Etodolac	41340254	August 20, 1999
Flurbiprofen	5104494	August 20, 1999
Halobetasol propionate	66852548	August 20, 1999
Heptachlor	76448	August 20, 1999
Idarubicin hydrochloride	57852570	August 20, 1999
Mebendazole	31431397	August 20, 1999

Pimozide	2062784	August 20, 1999
Prednisolone sodium phosphate	125020	August 20, 1999
Sermorelin acetate	---	August 20, 1999
Streptozocin (streptozotocin)	18883664	August 20, 1999
Methazole	20354261	December 1, 1999
Tributyltin methacrylate	2155706	December 1, 1999
Pravastatin sodium	81131706	March 3, 2000
Methyl chloride	74873	March 10, 2000

#### Female reproductive toxicity

Ethylene oxide	75218	February 27, 1987
Lead	---	February 27, 1987
Aminopterin	54626	July 1, 1987
Tobacco smoke (primary)	---	April 1, 1988
Cyclophosphamide (anhydrous)	50180	January 1, 1989
Cyclophosphamide (hydrated)	6055192	January 1, 1989
Carbon disulfide	75150	July 1, 1989
Cocaine	50362	July 1, 1989
Anabolic steroids	---	April 1, 1990
Aspirin (NOTE: It is especially important not to use aspirin during the last three months of pregnancy, unless specifically directed to do so by a physician because it may cause problems in the unborn child or complications during delivery.)	50782	July 1, 1990
Uracil mustard	66751	January 1, 1992
Amiodarone hydrochloride	19774824	August 26, 1997
Goserelin acetate	65807025	August 26, 1997
Leuprolide acetate	74381536	August 26, 1997
Paclitaxel	33069624	August 26, 1997
Clobetasol propionate	25122467	May 15, 1998
Flunisolide	3385033	May 15, 1998
Levonorgestrel implants	797637	May 15, 1998
o,p' -DDT	789026	May 15, 1998
p,p' -DDT	50293	May 15, 1998
Oxydemeton methyl	301122	November 6, 1998
Cidofovir	113852372	January 29, 1999
Diffunisal	22494424	January 29, 1999
Haloperidol	52868	January 29, 1999
Nifedipine	21829254	January 29, 1999
Sulindac	38194502	January 29, 1999
Triadimefon	43121433	March 30, 1999
Chlorsulfuron	64902723	May 14, 1999
Thiophanate methyl	23564058	May 18, 1999
Dinitrotoluene (technical grade)	---	August 20, 1999
Etodolac	41340254	August 20, 1999
Flurbiprofen	5104494	August 20, 1999
Gemfibrozil	25812300	August 20, 1999
Pimozide	2062784	August 20, 1999
Streptozocin (streptozotocin)	18883664	August 20, 1999

#### Male reproductive toxicity

1,2-Dibromo-3-chloropropane (DBCP)	96128	February 27, 1987
Lead	---	February 27, 1987
Tobacco smoke (primary)	---	April 1, 1988
Cyclophosphamide (anhydrous)	50180	January 1, 1989

Cyclophosphamide (hydrated)	6055192	January 1, 1989
Dinoseb	88857	January 1, 1989
Ethylene glycol monoethyl ether	110805	January 1, 1989
Ethylene glycol monomethyl ether	109864	January 1, 1989
Carbon disulfide	75150	July 1, 1989
Anabolic steroids	---	April 1, 1990
m-Dinitrobenzene	99650	July 1, 1990
o-Dinitrobenzene	528290	July 1, 1990
p-Dinitrobenzene	100254	July 1, 1990
Nitrofurantoin	67209	April 1, 1991
Benomyl	17804352	July 1, 1991
Uracil mustard	66751	January 1, 1992
Colchicine	64868	October 1, 1992
Ethylene glycol monoethyl ether acetate	111159	January 1, 1993
Ethylene glycol monomethyl ether acetate	110496	January 1, 1993
Hexamethylphosphoramide	680319	October 1, 1994
Epichlorohydrin	106898	September 1, 1996
Cadmium	---	May 1, 1997
Amiodarone hydrochloride	19774824	August 26, 1997
Ganciclovir sodium	82410320	August 26, 1997
Goserelin acetate	65807025	August 26, 1997
Leuprolide acetate	74381536	August 26, 1997
Paclitaxel	33069624	August 26, 1997
Benzene	71432	December 26, 1997
Ethylene dibromide	106934	May 15, 1998
o,p' -DDT	789026	May 15, 1998
p,p' -DDT	50293	May 15, 1998
Cyclohexanol	108930	November 6, 1998
Oxydemeton methyl	301122	November 6, 1998
Sodium fluoroacetate	62748	November 6, 1998
Cidofovir	113852372	January 29, 1999
Doxorubicin hydrochloride	23214928	January 29, 1999
Nifedipine	21829254	January 29, 1999
Sulfasalazine	599791	January 29, 1999
Hydramethylnon	67485294	March 5, 1999
Triadimefon	43121433	March 30, 1999
Myclobutanil	88671890	April 16, 1999
Chlorsulfuron	64902723	May 14, 1999
Thiophanate methyl	23564058	May 18, 1999
2,4-D butyric acid	94826	June 18, 1999
2,4-Dinitrotoluene	121142	August 20, 1999
2,6-Dinitrotoluene	606202	August 20, 1999
Altretamine	645056	August 20, 1999
Dinitrotoluene (technical grade)	---	August 20, 1999
Gemfibrozil	25812300	August 20, 1999
Idarubicin hydrochloride	57852570	August 20, 1999
Streptozocin (streptozotocin)	18883664	August 20, 1999
Quizalofop-ethyl	76578148	December 24, 1999

Date: June 2, 2000